# UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

CITY OF LYNDHURST/SEWER: CITY OF LYNDHURST JEFFREY FILARSKI, CITY ENGINEER 22999 FORBES RD, SUITE B CLEVELAND, OH 44146 (440) 399-0810 FILARSKI@CVELIMITED.COM

COMMUNICATION: ADESTA COMMUNICATIONS (G4S) DRAGAN KORDICH 4 WALKER WAY, SUITE 1 ALBANY, NY 12205 (518) 869-5053 DRAGAN.KORDICH@ADESTAGROUP.COM

A T & T

JAMES JANIS 13630 LORAIN AVE. - 2ND FLOOR CLEVELAND, OH 44111 (216) 476-6142 PJ8191@ATT.COM

AT&T LONG LINE MIKE DIEDERICH 7555 E. PLEASANT VALLEY RD. SUITE 140 INDEPENDENCE, OH 44131 (216) 750-0135 MD4145@ATT.COM

CENTURYLINK DOUG HOLLOWAY 3801 ELM RD NE WARREN, OH 44483 (216) 426-6010 DOUG.HOLLOWAY@LUMEN.COM

SPECTRUM (CHARTER COMMUNICATIONS) PAT SANTOIEMMO 7 SEVERANCE CIRCLE CLEVELAND HEIGHTS, OHIO 44118 (216) 575-8016 PAT.SANTOIEMMO@CHARTER.COM

VERIZON AL GUEST 120 RAVINE ST. AKRON, OHIO 44303 (330) 253-8267 ALLAN.GUEST@VERIZON.COM

ZAYO SCOTT HEINLEN 305 E. WIGGIN STREET GAMBIER, OHIO 43022 (740) 501-6921 SCOTT.HEINLEN@ZAYO.COM

WA TER:

CLEVELAND WATER
FRED ROBERTS
1201 LAKESIDE AVE.
CLEVELAND, OHIO 44114
(216) 664-2444
FRED_ROBERTS@CLEVELANDWATER.COM

## UTILITIES (CONT.)

SEWER:

NORTHEAST OHIO REGIONAL SEWER DISTRICT MARY MACIEJOWSKI 3900 EUCLID AVE CLEVELAND, OHIO 44115-2504 (216) 881-6600 MACIEJOWSKIM@NEORSD.ORG

GAS:

DOMINION ENERGY KEVIN BIRT 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OH 44333 (330) 664-2409 KEVIN.J.BIRT@DOMINIONENERGY.COM

ELECTRIC: FIRST ENERGY JOHN M. ZASSICK 6896 MILLER RD, SUITE 101 BRECKSVILLE, OH 44141 (440) 546-8706 JMZASSICK@FIRSTENERGYCORP.COM

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

#### CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

## WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

#### MANHOLES, CATCH BASINS AND VALVE BOXES

ANY VALVE BOXES, CATCH BASIN, OR MANHOLES ENCOUNTERED THAT REQUIRE ADJUSTMENTS OR REPLACEMENT DUE TO THE PLANNING AND REPAVING OPERATIONS SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THEIR RESPECTIVE LINE ITEMS. BASED ON EXISTING FIELD CONDTIONS, THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK TO BE USED "AS DIRECTED" BY THE ENGINEER:

ITEM 611 INLET ADJUST TO GRADE	2 EACH
ITEM 611 MANHOLE ADJUST TO GRADE	2 EACH
ITEM 638 VALVE BOX ADJUSTED TO GRADE	3 EACH
ITEM 638 SERVICE BOX ADJUSTED TO GRADE	3 EACH
ITEM 611 GAS VALVE BOX ADJUSTED TO GRADE	4 EACH
ITEM SPECIAL – MISCELLANEOUS METAL	600 LBS

# PRIVATE UTILITY STRUCTURE ADJUSTMENTS

THE CONTRACTOR SHALL NOTIFY ANY AFFECTED PRIVATE UTILITIES TO ADJUST THEIR RESPECTIVE STRUCTURES TO GRADE FOLLOWING THE COMPLETION OF THE PAVING OPERATION.

#### SURVE

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#### VERTI

ORTH GEÒIL

#### HORIZ

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UNITS

NG PARAME	TERS				<b>SEEDING AND MULCHING</b> THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:						
	CONTROL MON		ERN ALL								
	IG PROJECT CC POSITIONING P,			SITIONING,	ITEM 659 - SOIL AN ITEM 659 - TOPSOIL ITEM 659 - SEEDING	AND MULCHING	2 EACH 58 CU YD 525 SQ YD				
T CONTROL					ITEM 659 - REPAIR . ITEM 659 - COMMER ITEM 659 - WATER		.CHING 26 SQ YD 0.7 TON 3 M GAL				
NING METH		TOTAL STATI DIFFERENTIAL		;		ING SHALL BE AP	PLIED TO ALL AREAS O	F			
NT TYPE: IRON REBAR, FIVE-EIGTHS (5/8) INCH DIAMETER, TWELVE (12) INCHES LONG WITH A PLASTIC PLUG PLACED ON THE TOP BEARING THE INITIALS EMHT INC.					EXPOSED SOIL BETW THE CONSTRUCTION WAY LINES COVERED	EEN THE RIGHT-C LIMITS FOR AREA BY WORK AGREE	DF-WAY LINES, AND WIT AS OUTSIDE THE RIGHT- MENT. QUANTITY	HIN			
		AIL WITH SHI LS EMHT INC		ING THE	CALCULATIONS FOR THESE LIMITS.	SEEDING AND MUL	CHING ARE BASED ON				
L POSITIO	NING				ITEM 441 - ASPHALT (448), AS PER PLA		ACE COURSE, TYPE 1,				
ETRIC HEIG	GHT DATUM:	NA VD88 GEOID18			THE COARSE VIRGIN	·	THIS ITEM SHALL				
NTAL POSIT	TIONING			$\bigcap$	CONSIST OF A BLEM		IR COOLED BLAST K FROM ONTARIO WITH				
				(	LIMESTONE COMPRIS						
ICE FRAME: ND:		NAD83 (. GRS 80	2011)								
OJECTION:		LAMBERT C	CONFORMA	CONIC				<b>\</b>   '			
	EM: (	OHIO STATE I	PLANE, NC	ORTH ZONE				<u> </u>			
D SCALE F	ACTOR: NATE SYSTEM:		2232 (GRII	TO FROUND)							
	NATE STOTEM.	0,0									
IARY PROJE YED BY COI	VEY TO RESTO ECT CONTROL NSTRUCTION AU	THAT ARE DA CTIVITIES. R	MAGED OR ESTORE TI	HE							
GINAL SURV MARY PROJE YED BY COI O OR DESTR	ECT CONTROL	THAT ARE DA CTIVITIES. RI ENTS IN ACCC	MAGED OR ESTORE TI	HE							
GINAL SURV MARY PROJE YED BY COI O OR DESTR	ECT CONTROL NSTRUCTION AU ROYED MONUME	THAT ARE DA CTIVITIES. RI ENTS IN ACCC	MAGED OR ESTORE TI				$\lambda \lambda$				
GINAL SUR ARY PROJE (ED BY COI O OR DESTI RE IN U.S.	ECT CONTROL NSTRUCTION AU ROYED MONUME SURVEY FEET.	THAT ARE DA CTIVITIES. R ENTS IN ACCC	MAGED OR ESTORE TI DRDANCE N	HE VITH HORIZONTAL							
GINAL SUR ( ARY PROJE (ED BY COI OR DESTR •	ECT CONTROL NSTRUCTION AU ROYED MONUME	THAT ARE DA CTIVITIES. RI ENTS IN ACCC	MAGED OR ESTORE TI DRDANCE N		CONTROL EASTING (GROUND)	ELEVATION	DESCRIPTION				
GINAL SUR ARY PROJE (ED BY COI OR DESTR OR DESTR RE IN U.S.	ECT CONTROL NSTRUCTION AU ROYED MONUME SURVEY FEET.	THAT ARE DA CTIVITIES. R ENTS IN ACCC	T	HE VITH HORIZONTAL NORTHING	EASTING	ELEVATION 1014.74	DESCRIPTION 1157 #10 IRSw/cap				
GINAL SUR ARY PROJE (ED BY COI O OR DESTR O OR DESTR RE IN U.S.	ECT CONTROL NSTRUCTION AU ROYED MONUME SURVEY FEET. SURVEY FEET.	THAT ARE DA CTIVITIES. RA ENTS IN ACCO	T	HE MITH HORIZONTAL NORTHING (GROUND)	EASTING (GROUND)						
GINAL SUR ARY PROJE (ED BY COI OR DESTR OR DESTR RE IN U.S. RE IN U.S. 10	ECT CONTROL NSTRUCTION AU ROYED MONUME SURVEY FEET. STATION 108+59.38	THAT ARE DA CTIVITIES. R ENTS IN ACCC OFFSE 54.63' R	T T T T	HE ITH HORIZONTAL NORTHING (GROUND) 676748.8000	EASTING (GROUND) 2243285.2490	1014.74	1157 #10 IRSw/cap				
GINAL SUR MARY PROJE YED BY COI O OR DESTR O RE IN U.S. POINTS 10 11	ECT CONTROL NSTRUCTION AU ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70	THAT ARE DA CTIVITIES. R. ENTS IN ACCC OFFSE 54.63' R 70.52' L	T T T T T T T	HE MITH HORIZONTAL NORTHING (GROUND) 676748.8000 676744.4820	EASTING (GROUND) 2243285.2490 2243158.4620	1014.74 1014.85	1157 #10 IRSw/cap 1157 #11 IRSw/cap				
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'ING PARAME	TERS				<b>SEEDING AND MULCHING</b> THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE							
	CONTROL MON		ERN ALL		GROWTH AND CARE OF			i de la compañía de la				
	IG PROJECT CO POSITIONING PA	•		IONING, VEYING:	ITEM 659 - SOIL ANA ITEM 659 - TOPSOIL ITEM 659 - SEEDING ITEM 659 - REPAIR S	AND MULCHING	2 EACH 58 CU YD 525 SQ YD					
CT CONTROL					ITEM 659 - COMMERC ITEM 659 - WATER		0.7 TON 3 M GAL					
ONING METH		TOTAL STATI DIFFERENTIAL			SEEDING AND MULCHII	NG SHALL BE API	PLIED TO ALL AREAS C	0F				
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		AIL WITH SHI LS EMHT INC		G THE	THESE LIMITS.	SEEDING AND MOL	CHING ARE DASED ON					
AL POSITIO	NING				ITEM 441 - ASPHALT (448), AS PER PLAI		ACE COURSE, TYPE 1,					
METRIC HEIG	GHT DATUM:	NAVD88 GEOID18			THE COARSE VIRGIN A	4GGREGATE FOR			S			
NTAL POSIT	TIONING			$\left( \right)$	CONSIST OF A BLEND FURNACE SLAD (ACBF. LIMESTONE COMPRISI	S) ON TRAP ROO	K FROM ONTARIO WITH		Ш́н			
SOID:GRS 80ROJECTION:LAMBERT CONFORMAL CONIDDINATE SYSTEM:OHIO STATE PLANE, NORTH JONENED SCALE FACTOR:1.0000732232 (GRID TO GROUND)N OF COORDINATE SYSTEM:0, 0HE POSITIONING METHODS AND MONUMENT TYPE USED INRIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATEDIMARY PROJECT CONTROL THAT ARE DAMAGED OROYED BY CONSTRUCTION ACTIVITIES. RESTORE THEED OR DESTROYED MONUMENTS IN ACCORDANCE WITH23.ARE IN U.S. SURVEY FEET.				TH ZONE TO GROUND) TO IN	"							
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DYED BY COI ED OR DESTI 23.	NSTRUCTION AU ROYED MONUME	CTIVITIES. RI INTS IN ACCO	ESTORE THE DRDANCE WIT	HORIZONTAL			$\mathcal{I}$					
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PYED BY COI ED OR DESTA 3. ARE IN U.S. POINTS 10 11 12	NSTRUCTION AU ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36	OFFSE 54.63' R 106.64' L	ESTORE THE DRDANCE WIT	HORIZONTAL 0 NORTHING (GROUND) 76748.8000 76744.4820 76845.3030	EASTING (GROUND) 2243285.2490 2243158.4620 2243178.8250	1014.74 1014.85 1013.93	1157 #10 IRSw/cap 1157 #11 IRSw/cap 1157 #12 IRSw/cap					
PYED BY COI     ED OR DESTR     3.     4RE IN U.S.     POINTS     10     11     12     13	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+45.92	OFFSE 54.63' R 106.64' L 8.97' R	ESTORE THE DRDANCE WIT	HORIZONTAL 0 NORTHING (GROUND) 76748.8000 76744.4820 76845.3030 76851.4660	EASTING (GROUND) 2243285.2490 2243158.4620 2243178.8250 2243294.3610	1014.74 1014.85 1013.93 1014.35	1157 #10 IRSw/cap 1157 #11 IRSw/cap 1157 #12 IRSw/cap 1157 #13 IRSw/cap					
POYED BY COI     ED OR DESTR     23.     ARE IN U.S.     POINTS     10     11     12     13     203	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+45.92 108+73.85	CTIVITIES. Ri INTS IN ACCC OFFSE 54.63' R 70.52' L 106.64' L 8.97' R' 125.24' F	ESTORE THE DRDANCE WIT	HORIZONTAL NORTHING (GROUND) 76748.8000 76744.4820 76845.3030 76851.4660 76753.3240	EASTING (GROUND) 2243285.2490 2243158.4620 2243178.8250 2243294.3610 2243357.1110	1014.74     1014.85     1013.93     1014.35     1017.09	1157 #10 IRSw/cap 1157 #11 IRSw/cap 1157 #12 IRSw/cap 1157 #13 IRSw/cap 1165 #203 MAGS		5			
PYED BY COI     ED OR DESTR     3.     4RE IN U.S.     POINTS     10     11     12     13     203     204	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+45.92 108+73.85 108+98.78	CTIVITIES. RR NTS IN ACCC OFFSE 54.63' R 70.52' L 106.64' L 8.97' R' 125.24' F 629.33' F	ESTORE THE DRDANCE WIT	HORIZONTAL A NORTHING (GROUND) 76748.8000 76744.4820 76845.3030 76851.4660 76753.3240 76753.3240	EASTING (GROUND) 2243285.2490 2243158.4620 2243178.8250 2243294.3610 2243357.1110 2243859.4160	1014.74     1014.85     1013.93     1014.35     1017.09     1020.23	1157 #10 IRSw/cap 1157 #11 IRSw/cap 1157 #12 IRSw/cap 1157 #13 IRSw/cap 1165 #203 MAGS 1165 #204 MAGS		8.59 G			
PYED BY COI TO OR DESTA 3. ARE IN U.S. POINTS 10 11 12 13 203 204 401	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+41.36 150+45.92 108+73.85 108+98.78 245+69.14	CTIVITIES. RA NTS IN ACCC OFFSE 54.63' R 70.52' L 106.64' L 8.97' R 125.24' F 629.33' F 28.59' L	ESTORE THE DRDANCE WIT T T T ET ET ET ET ET ET ET ET ET ET ET	HORIZONTAL NORTHING (GROUND) 76748.8000 76744.4820 76851.4660 76753.3240 76705.3270 676837	EASTING (GROUND)     2243285.2490     2243158.4620     2243178.8250     2243294.3610     2243357.1110     2243859.4160     2243437	1014.74     1014.85     1013.93     1014.35     1017.09     1020.23     1016.30	1157 #10 IRSw/cap 1157 #11 IRSw/cap 1157 #12 IRSw/cap 1157 #13 IRSw/cap 1165 #203 MAGS 1165 #204 MAGS 1185 BM#1 BMS		5-8.59 G			
PYED BY COI D OR DESTA 3. ARE IN U.S. POINTS 10 11 12 13 203 204 401 402	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+45.92 108+73.85 108+98.78 245+69.14 151+97.52	CTIVITIES. Ri INTS IN ACCC OFFSE 54.63' R 70.52' L 106.64' L 8.97' R' 125.24' F 629.33' F 28.59' L 21.62' R	ESTORE THE DRDANCE WIT T T T ET ET ET ET ET ET ET ET ET ET ET	HORIZONTAL NORTHING (GROUND) 76748.8000 76744.4820 76845.3030 76851.4660 76753.3240 76753.3240 76705.3270 676837 677003 676829	EASTING (GROUND) 2243285.2490 2243158.4620 2243178.8250 2243294.3610 2243357.1110 2243859.4160 2243437 2243305 2243074	1014.74     1014.85     1013.93     1014.35     1017.09     1020.23     1016.30     1018.02	1157 #10 IRSw/cap   1157 #11 IRSw/cap   1157 #12 IRSw/cap   1157 #13 IRSw/cap   1157 #13 IRSw/cap   1165 #203 MAGS   1165 #204 MAGS   1185 BM#1 BMS   1185 BM#2 BMS		-8.59 G			
PYED BY COI     D OR DESTR     3.     ARE IN U.S.     ARE IN U.S.     10     11     12     13     203     204     401     402     403	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+45.92 108+73.85 108+98.78 245+69.14 151+97.52 242+06.36	CTIVITIES. RA INTS IN ACCO OFFSE 54.63' R 70.52' L 106.64' L 8.97' R 125.24' F 629.33' F 28.59' L 21.62' R 28.63' L	ESTORE THE DRDANCE WIT	HORIZONTAL NORTHING (GROUND) 76748.8000 76744.4820 76845.3030 76851.4660 76753.3240 76705.3270 676837 677003	EASTING (GROUND)     2243285.2490     2243158.4620     2243178.8250     2243294.3610     2243357.1110     2243859.4160     2243437     2243074	1014.74     1014.85     1013.93     1014.35     1017.09     1020.23     1016.30     1018.02     1015.42	1157 #10 IRSw/cap   1157 #11 IRSw/cap   1157 #12 IRSw/cap   1157 #13 IRSw/cap   1157 #13 IRSw/cap   1165 #203 MAGS   1165 #204 MAGS   1185 BM#1 BMS   1185 BM#2 BMS		-175-8.59 G			
PYED BY COI     ED OR DESTR     3.     4RE IN U.S.     POINTS     10     11     12     13     203     204     401     402	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+45.92 108+73.85 108+98.78 245+69.14 151+97.52	CTIVITIES. Ri TNTS IN ACCC OFFSE 54.63' R 70.52' L 106.64' L 8.97' R' 125.24' F 629.33' F 28.59' L 21.62' R	ESTORE THE DRDANCE WIT T T T ET ET ET ET ET ET ET ET ET ET ET	HORIZONTAL 4 NORTHING (GROUND) 76748.8000 76744.4820 76845.3030 76851.4660 76753.3240 76753.3240 76765.3270 676837 677003 676837 677003 676829 VERTICAL C VERTICAL C CHISELED "X SIDE OF MAY	EASTING (GROUND) 2243285.2490 2243158.4620 2243178.8250 2243294.3610 2243357.1110 2243859.4160 2243437 2243305 2243305 2243074 ONTROL DE	1014.74 1014.85 1013.93 1014.35 1017.09 1020.23 1016.30 1018.02 1015.42 SCRIPTION DLT OF A FIRE HYDRA G THE FIRST FIRE HYDRA	1157 #10 IRSw/cap 1157 #11 IRSw/cap 1157 #12 IRSw/cap 1157 #13 IRSw/cap 1165 #203 MAGS 1165 #204 MAGS 1165 #204 MAGS 1185 BM#1 BMS 1185 BM#2 BMS 1185 BM#3 BMS		175-8.59 G			
POINTS     10     11     12     13     203     204     401     402     403     BENCHMARK	NSTRUCTION AC ROYED MONUME SURVEY FEET. STATION 108+59.38 108+38.70 150+41.36 150+45.92 108+73.85 108+98.78 245+69.14 151+97.52 242+06.36 STATION	CTIVITIES. RA TATS IN ACCC OFFSE 54.63' R 70.52' L 106.64' L 8.97' R' 125.24' F 629.33' F 28.59' L 21.62' R 28.63' L OFFSET OFFSET	ESTORE THE DRDANCE WIT	HORIZONTAL ( NORTHING (GROUND) 76748.8000 76744.4820 76845.3030 76851.4660 76753.3240 76705.3270 676837 677003 676837 677003 676829 VERTICAL C VERTICAL C CHISELED "X SIDE OF MAY INTERSECTIC CHISELED "X SIDE OF RICH	EASTING (GROUND)     2243285.2490     2243158.4620     2243178.8250     224337.8.8250     2243294.3610     2243357.1110     2243357.1110     2243357.1110     2243357.1110     2243357.1110     2243357.1110     2243357.1110     2243357.1110     2243305     2243074     DE	1014.74     1014.85     1013.93     1014.35     1017.09     1020.23     1016.30     1018.02     1015.42     SCRIPTION     DLT OF A FIRE HYDRA G THE FIRST FIRE HYDRA S.R. 175).     T OF A FIRE HYDRAN NG THE FIRST FIRE HYDRAN NG THE FIRST FIRE HYDRAN	1157 #10 IRSw/cap 1157 #11 IRSw/cap 1157 #12 IRSw/cap 1157 #13 IRSw/cap 1165 #203 MAGS 1165 #204 MAGS 1165 #204 MAGS 1185 BM#1 BMS 1185 BM#2 BMS 1185 BM#3 BMS 1185 BM#3 BMS NT LOCATED ON THE NORTH ICOLATED ON THE EAST		Y -175 - 8 .59 G			

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#### DOMINION ENERGY

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LATERAL AND SUBJACENT SUPPORT OF DOMINION ENERGY'S PIPELINE(S), IN COMPLIANCE TO 29 CFR, PART 1926, SUBPART P, (SAFE EXCAVATION & SHORING). ONE-FOOT MINIMUM VERTICAL AND HORIZONTAL CLEARANCE MUST BE MAINTAINED BETWEEN DOMINION ENERGY OHIO'S (DEO) EXISTING PIPELINE(S) AND ALL OTHER IMPROVEMENTS. EXTREME CARE SHOULD BE TAKEN NOT TO HARM ANY DEO FACILITY (PIPELINES, ETC.) OR APPURTENANCE (PIPE COATING, TRACER WIRE, CATHODIC PROTECTION TEST STATION WIRES & DEVICES, VALVE BOXES, ETC.). DEO FACILITIES MUST BE PROTECTED WITH A TARP DURING BRIDGE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE AND LIABLE FOR ENSURING THAT ALL DEO EXISTING FACILITIES, ABOVE AND BELOW GROUND, REMAIN UNDAMAGED, ACCESSIBLE AND IN WORKING ORDER. THE CROSSING OF DEO'S PIPELINE WITH ANOTHER STEEL FACILITY MAY CREATE A POTENTIAL CORROSION ISSUE FOR THE PROPOSED FACILITY AND THE EXISTING DEO FACILITY. PLEASE CONTACT DOMINION ENERGY OHIO'S CORROSION DEPARTMENT: DAVE CUTLIP (330-266-2121), RICK MCDONALD (330-266-2122), OR AL HUMRICHOUSER (330-478-3757).

DEO = DOMINION ENERGY OHIO, 1-800-362-7557.

#### AT&T MANHOLE, DUCT, AND CONDUIT PROTECTION

IF PAVING OCCURES ATT REQUIRES A MIMIMUM OF 3 WEEKS NOTICE TO HAVE ANY MANHOLE CASTING ADJUSTED.

CONTRACTOR WILL USE CAUTION WHEN WORKING NEAR ATT CONDUITS. AWARDED CONTRACTOR WILL PROTECT AND SUPPORT ATT DUCTS IF EXPOSED.

## ITEM 608 - 8" CONCRETE WALK, AS PER PLAN

THIS ITEM INCLUDES ANY EXCAVATION OR EMBANKMENT, NECESSARY TO CONSTRUCT THE NEW WALK TO THE PROPOSED SECTION AND GRADE. THE COST FOR ALL ADDITIONAL LABOR AND MATERIALS SHALL BE INCLUDED IN THIS ITEM.

# PAVEMENT PLANING AND RESURFACING

SCEURRED.

THE PAVEMENT PLANING AREAS SHOWN IN THE PLAN SHALL BE PAVED A MAXIMUM SEVEN DAYS AFTER THE PLANING HAS

# ITEM 609 - CURB, TYPE 6, AS PER PLAN

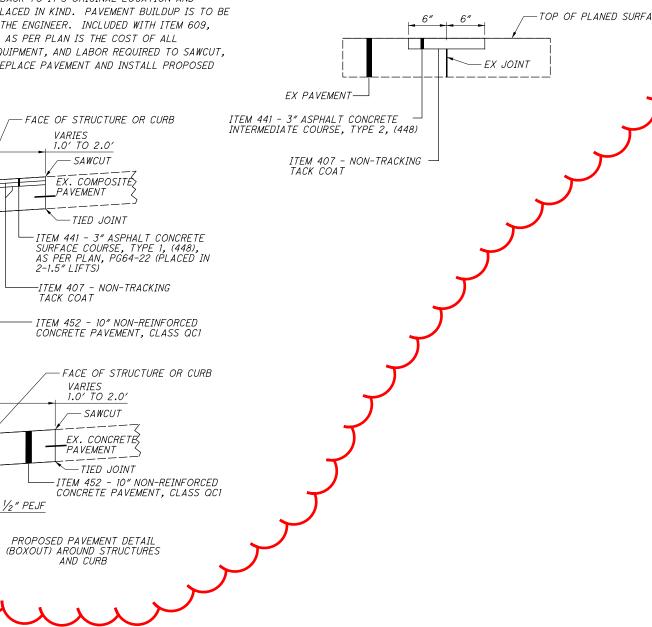
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THIS ITEM SHALL INCLUDE THE SAWCUT AND PLACEMENT OF PROPOSED CURB AND PAVEMENT REPAIR REQUIRED TO CONSTRUCT THE PROPOSED CURB. PROPOSED CURB SHALL FOLLOW ODOT STANDARDS FOR ITEM 609, CURB, TYPE 6. IN ADDITION TO THE CURB THIS ITEM INCLUDES THE SAWCUT AND PAVEMENT REPAIR. AS SHOWN IN THE CURB DETAILS ON THE TYPICAL SECTION SHEET THE SAWCUT IS PROPOSED AT THE CURB FACE. IF THIS IS NOT POSSIBLE THE SAWCUT SHALL THEN BE PLACED BETWEEN 1 TO 2 FEET FROM THE FACE OF EXISTING CURB AS SHOWN IN DETAIL BELOW OR AS DIRECTED BY THE ENGINEER. THE PROPOSED CURB SHALL BE CONSTRUCTED BACK TO IT'S ORIGINAL LOCATION AND PAVEMENT REPLACED IN KIND. PAVEMENT BUILDUP IS TO BE APPROVED BY THE ENGINEER. INCLUDED WITH ITEM 609, CURB, TYPE 6, AS PER PLAN IS THE COST OF ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED TO SAWCUT, REMOVE AND REPLACE PAVEMENT AND INSTALL PROPOSED CURR.



PARTIAL DEPTH PAVEMENT REPAIR MAY BE REQUIRED TO REPAIR ANY DAMAGED PAVEMENT, OR SPOT REPAIR POOR PAVEMENT AREAS AFTER THE PAVEMENT PLANING HAS BEEN PERFORMED. THE CONTRACTOR SHALL ESTIMATE DEPTH OF REPAIR TO BE 3" BELOW THE TOP OF THE EXISTING ASPHALT SURFACE WITH A WIDTH OF 12" CENTERED OVER THE EXISTING JOINT OR REPAIR AREA. REPAIR DEPTH MAY BE ADJUSTED AS DETERMINED IN THE FIELD BY THE ENGINEER. THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO BE USED AS A CONTINGENCY FOR REPAIRS IF NEEDED AND AS DIRECTED BY THE ENGINEER. THE BELOW QUANTITY INCLUDES ALL LABOR, EQUIPMENT, MATERIALS INCLUDING MATERIALS SHOWN IN DETAIL BELOW, AND IS BASED ON APPROXIMATELY 10% OF THE RESURFACING AREA OF THIS PROJECT.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR 630 SQ YD



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	CALCULATED GGW CHECKED SJB
IRFACE	GENERAL NOTES
	CUY-175-8.59
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OFFICE					Si	HEET NUI	и. I	<u> </u>	1	I		1	PART.	ITEM	ITEM	GRAND	UNIT	
CALCS	3	4	11	16	17	24									EXT	TOTAL		
			1,410											202	30000	1,410	SF	WALK REMOVED
			164											202	32000	164	FT	CURB REMOVED
			1 120											608	15001	1 120	<u>сг</u>	
			1,129 463											608	52000	1,129 463	SF SF	8" CONCRETE WALK, AS PER PLAN CURB RAMP
			85											609	26001	85	FT	CURB, TYPE 6, AS PER PLAN
	2													659	00100	2	EACH	SOIL ANALYSIS TEST
	58													659	00300	58	CY	TOPSOIL
	525 26													659 659	10000 14000	525 26	SY SY	SEEDING AND MULCHING REPAIR SEEDING AND MULCHING
	0.7													659	20000	0.7	TON	COMMERCIAL FERTILIZER
	3													659	35000	3	MGAL	WATER
														832	30000	2,799	EACH	EROSION CONTROL
	2		c											C11	99150	8	EACU.	INLET ADJUSTED TO GRADE
	2		6 4											<u> </u>	99150 99654	6	EACH EACH	MANHOLE ADJUSTED TO GRADE
	4													SPECIAL	61199700	4	EACH	GAS VALVE BOX ADJUSTED TO GRADE
	600													SPECIAL	61199820	600	LB	MISCELLANEOUS METAL
	3													638	10800	3	EACH	VALVE BOX ADJUSTED TO GRADE
	3													638	10900	3	EACH	SERVICE BOX ADJUSTED TO GRADE
		630												251	01000	630	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)
0.004																	CV	
6,294														254	01000	6,294	SY	PAVEMENT PLANING, ASPHALT CONCRETE
535														407	20000	535	GAL	NON-TRACKING TACK COAT
263														441	50101	263	СҮ	ASPHALT CONCRETE SURFACE COURSE, 1
					56									630	03100	56	FT	GROUND MOUNTED SUPPORT, NO. 3 POS
					00	8								630	79100	8	EACH	SIGN HANGER ASSEMBLY, MAST ARM
					1									630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTE
					27.19	48 4								630 630	80100 80510	75.19 4	SF EACH	SIGN, FLAT SHEET SIGN, STREET NAME
						4								030	80310	4	EACH	SIGN, STREET NAME
					2									630	87500	2	EACH	REMOVAL OF POLE MOUNTED SIGN AND L
				0.31										644	00200	0.31	MILE	LANE LINE, 4"
				0.25					1					644	00200	0.25	MILE	CENTER LINE
				275										644	00400	275	FT	CHANNELIZING LINE, 8"
				83 92										644 644	00500 00700	83 92	FT FT	STOP LINE TRANSVERSE/DIAGONAL LINE
				92										044	00700	52	F1	THANSVERSE/DIAGONAL LINE
				4										644	01300	4	EACH	LANE ARROW
				2										644	01400	2	EACH	WORD ON PAVEMENT, 72"
				251										646	50100	251	FT	REMOVAL OF PAVEMENT MARKING
				580										647	20010	580	FT	CROSSWALK LINE, TYPE B90
				500										047	20010	500		Chosswalk Line, TIFE Dao
						408								625	25408	408	FT	CONDUIT, 2″, 725.051
		L				208								625	25408	208	FT	CONDUIT, 3", 725.051
						314								625	25910	314	FT	CONDUIT CLEANED AND CABLES REMOVED
						323 6								625 625	29000 32000	323 6	FT EACH	TRENCH GROUND ROD
						0								020	52000	0	CAUM	
																		1
			1															

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DESCRIPTION	SEE SHEET NO.	CALCULATED GGW CHECKED SJB
ROADWAY		
ROADWAY EROSION CONTROL DRAINAGE	4 4 	GENERAL SUMMARY
PAVEMENT		NERAL
		μ
<u>E</u>		U U
TYPE 1, (448), AS PER PLAN, PG64-22 TRAFFIC CONTROL ST ED DISPOSAL	3	
TRAFFIC SIGNALS		CUY-175-8.59
		9 29